CLAIMS

What is claimed is:

1	1.	A hub	and probe system in a wireless communications structure, comprising:
2		(a)	a hub for communicating at least one first signal, wherein the signal is
3			communicated via evanescent waves created by an exciter;
4		(b)	a probe for receiving the signal;
5		(c)	conductive elements included in walls of the wireless communications
6			structure for receiving at least one second signal from the probe, the
7			conductive elements communicating the second signal to the exciter; and
8		(d)	wherein the second signal is passed back to the hub via the exciter.
1	2.	The sys	stem as recited in claim 1, wherein at least one of the first signal and the
2			signal is communicated to the hub from at least one of an external source
3		and an	internal source.
1	3.		stem as recited in claim 2, wherein at least one of the first signal and the
2			signal includes information from at least one of a satellite television, a
3		cable to	elevision, an Internet provider, a computing device, a phone provider, a
4		DVD p	olayer, a television, and a telephone.
1	4.	The sys	stem as recited in claim 2, wherein the external source includes information
2			unicated from outside the structure.
1	5.		stem as recited in claim 2, wherein the internal source includes information
2		commu	inicated from inside the structure.
1	6.	The sy	stem as recited in claim 1, wherein the hub includes at least one of a
2	·		er, a power amplifier, a transmitter, a receiver, a frequency converter, a
3			n, a security controller, and a network processor.
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duplex transmission and half duplex transmission of data.

The system as recited in claim 6, wherein the diplexer allows at least one of full

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1 2	8.	The system as recited in claim 7, wherein half duplex transmission is accomplished by a transmit/receive switch.		
1 2 3	9.	The system as recited in claim 1, wherein the probe is connected to a remote device that utilizes information included in at least one of the first signal and the second signal.		
1 2	10.	The system as recited in claim 1, wherein at least one of the first signal and the second signal are at a radio frequency between 0.5-100 MHz.		
1	11.	The system as recited in claim 1, wherein the first signal and the second signal are at different radio frequencies.		
1 2 3 4 5 6 7	12.	A method for utilizing a hub and probe system in a wireless communications structure, comprising the steps of: (a) communicating at least one first signal, wherein the signal is communicated via evanescent waves created by an exciter; (b) allowing a probe to receive the signal; and (c) receiving at least one second signal from the probe via the exciter, the exciter receiving the second signal from the probe via conductive elements in walls of the structure.		
1 2 3	13.	The method as recited in claim 12, wherein the at least one of the first signal and the second signal is communicated from at least one of an external source and an internal source.		
1 2 3 4	14.	The method as recited in claim 13, wherein at least on of the first signal and the second signal includes information from at least one of a satellite television, a cable television, an Internet provider, a computing device, a phone provider, a DVD player, a television, and a telephone.		
1 2	15.	The method as recited in claim 13, wherein the external source includes information communicated from outside the structure. ney Docket: 60607.300601 21		

- 1 16. The method as recited in claim 13, wherein internal source includes information communicated from inside the structure.
- 1 17. The method as recited in claim 12, wherein at least one of a diplexer, a power
- 2 amplifier, a receiver, a frequency converter, a modem, a transmitter, a security
- 3 controller, and a network processor are included for communicating the first
- 4 signal.
- 1 18. The method as recited in claim 17, wherein the diplexer allows at least one of full duplex transmission and half duplex transmission of data.
- 1 19. The method as recited in claim 18, wherein half duplex transmission is accomplished by a transmitter switch.
- The method as recited in claim 12, wherein the probe is connected to a remote device that utilizes information included in at least on of the first signal and the second signal.
- The method as recited in claim 12, wherein at least one of the first signal and the second signal are at a radio frequency between 0.5-100 MHz.
- The method as recited in claim 12, wherein the first signal and the second signal are at different radio frequencies.